

MemoRail Transmitter



Compact multi-parameter transmitter for process analysis

MemoRail is a compact, digital transmitter for the measurement of pH, ORP, conductivity, oxygen and temperature when connected to Memosens® sensors. Two analog active/passive 4 ... 20 mA outputs supply the measurement values to a process control system.

MemoRail is a low-cost, space-saving, alternative to traditional liquid analyzers.

QUICK SPECS

Temperature: -14 ... 149 °F (-10 ... 65 °C)

Power Supply: 4-wire (24 VDC or 90 ... 230 VAC)

Inputs: Up to two channels

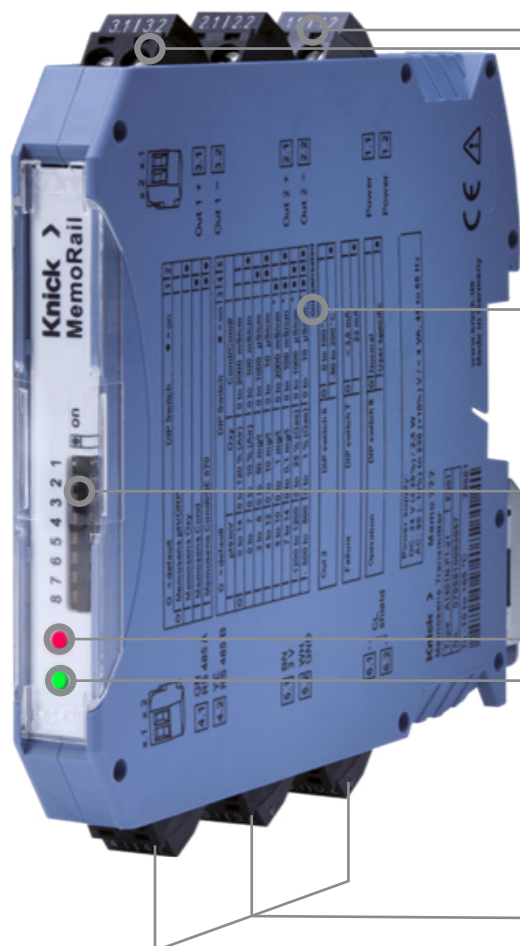
Outputs: (2) 4...20mA

Approvals: UL approved Class 1, Div 2, Groups A, B, C and D
cULus listed

FEATURES

- Multi-parameter (pH, ORP, conductivity, oxygen)
- Simple device setup using DIP switches for measurement parameter and range
- Accepts universal power supply (24 VDC / 90... 230 VAC)
- (2) Active or passive 4...20mA outputs for measurement of process value and temperature
- LED's for indication of sensor status and health

MEMORAIL TRANSMITTER ANATOMY



POWER INPUT

Universal Power Supply

4-wire (24 VDC or 90 ... 230 VAC)

OUTPUT

2x

Two 4...20 mA outputs (active or passive)

CONVENIENT DIAGRAMS

Setup and Wiring

Wiring diagram and DIP switch configuration printed on the device

DIP SWITCHES

Simple device configuration

Place DIP switches in proper position for setting measurement type and spanning of 4 ... 20 mA outputs

STATUS INDICATION

LED Lights

Green on	Device operating
Red on	Device failure
Green on and Red blinks	Sensor calibration required
Red and Green on	Failure Message (No sensor, Communication interrupted, sensor defective, DIP switches incorrect)

SENSOR INPUTS

Connections for sensor

Connect to any Memosens pH/ORP, conductivity, or oxygen sensor